FINAL REPORT

19980142

DEMONSTRATING EXTENDED CROP ROTATIONS (USING A BROAD SPECTRUM OF CEREAL BROAD LEAF (OILSEEDS AND PULSES) & FORAGE CROPS)

March 2002
Funded by the Agri-Food Innovation Fund

Prepared by: Seager Wheeler Historic Farm Society Inc.

AGRI-FOOD INNOVATION FUND

Canada

Saskatchewan

Enclosed is a progress report on demonstrating an extended rotation using a wide range of crops and forages project at the Seager Wheeler Farm. #19980142

A. Summary:

1. Partners: Crop development Center, Sask. Pulse Growers Ass'n, SAF, Sask. Forage Council, Ag Canada and Philom Bios.
2. We seeded a 38-acre field of CDC Pintium beans at the Seager Wheeler Farm for demonstration and reporting at our summer Pulse and Bean Day.
3. Dr. Bert Vandenberg and Dr. Tom Warkentin expanded their research and multiplication plots to 10 acres this year.
4. Research plots were set up by Dr. Tandy Nyela, Dr Steve Shirtliffe and from Philom Bios.
5. We expanded our alfalfa plots and continued with our two fields of Meadow Brome and Intermediate Wheat Grass. We also had some plots of forage oats.

B. Technical Report:

Objective1. To continue to improve the agronomy of growing beans in a solid seeded method and to demonstrate other pulses that will fit into our area.

1. Our producer group did a good job of seeding into standing stubble this year.
2. Drought soon showed up and bean growth was severely hampered till late July.
3. Weed control broke down once we received 2 to 3 inches of rain after July 23. Fields treated with Edge fared much better in weed control than fields treated with post-emergent products.
4. The beans on the Wheeler farm grew rapidly after July 23 and in the end produced a respectable crop of 650 pounds.
5. On August 2, we had about 95 people attend our Pulse and Bean Field Day. Drs.Vandenberg, Warkentin, Shirtliffe, Nyela, along with Philom Bios, reported on their research. The 38-acre field of Pintium beans was also toured.
6. On March 9th we had a Seed Growers bean agronomy day at the Kernan Farm that was attended by 45 growers. I did a presentation along with Scott Eiffe and Dr. Steve Shirtliffe. This involvement with seed growers is critical in the expansion of bean growing in this province.

Objective 2: To encourage producers to integrate forages into their rotations.

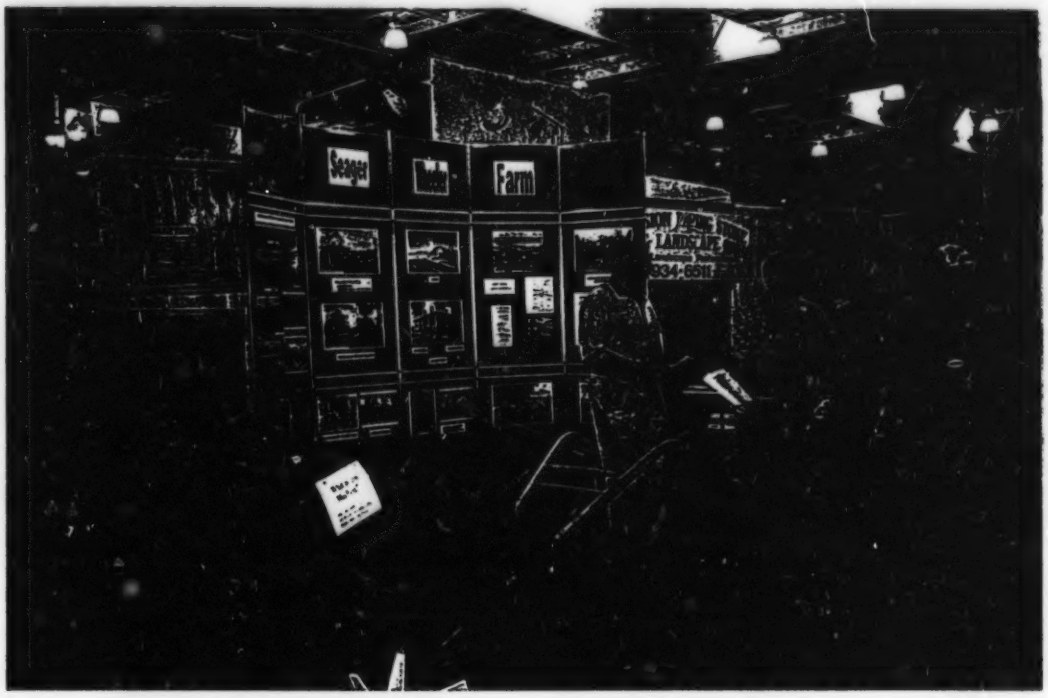
1. We are preparing a 35-acre field to go back to seed alfalfa use next year.
2. We direct seeded canola into the perennial rye grass stubble and got a 15 bushel per acre yield in spite of the drought.
3. Dr. Fran Walley expanded her alfalfa trials this year and her plots from last year were toured by a group of producers at our forage day this year. There is a great interest in the expanded use of alfalfa especially in our immediate area. The need for feed is growing each year.
4. 4. Our field of Meadow Brome and Intermediate Wheat grass did well again this year. Meadow Brome is the pasture grass of choice in the area.

C. Personnel: A technician was hired to assist in the seeding, spraying, mowing and upkeep of the plots and fields. This person also assisted in the physical details of hosting the field days.

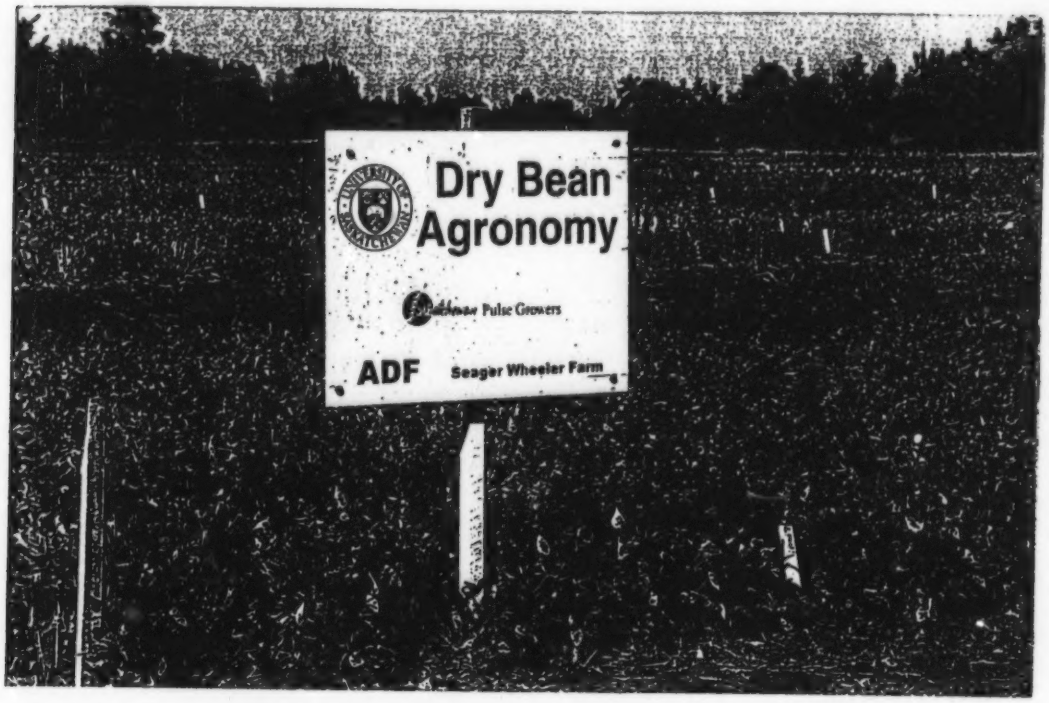
D. Equipment: All equipment was rented and area producers volunteered the seeding and harvesting of the fields this year.

E. Sharing results: Numerous articles have been written in various publications, such as Top Crop Manager and Pulse Point.
A winter Bean day will be hosted by Sask. Pulse, SAF and the Seager Wheeler Farm at the Kernan Farm again. With the high price of beans there is great interest in growing this crop.

Communications



Bean + Pulse Day.



Saskatchewan Agriculture and Food

BEAN & PULSE CROP FIELD DAY

Sponsored by Saskatchewan Pulse Growers; Spruce Grove Seeds; Agri-Food Innovation Fund (AFIF); Extension Service, Saskatchewan Agriculture and Food; and the Seager Wheeler Historic Farm Society.

Pulse Crops are part of everyone's rotation. Pulse crop acres increased in 2001. Beans are a new crop that may have potential in the Valley area. Attend this very informative field day to see what's new in Pulse Crop Development.

WHERE: **SEAGER WHEELER FARM** (7 kms East of Rosthern on Hwy #312)

WHEN: **THURSDAY, AUGUST 2nd, 2001**
Commencing at 1:00 at the Seager Wheeler Farm

COST: **$5.00 per Adult for Plot Tours Or**
$10.00 per Adult which includes Supper & Tours

AGENDA:

1:00-1:30 p.m. **Registration**
1:30-1:45 p.m. **Opening Remarks**
2:00-5:00 p.m. **Plot Tours:**

- Bean, Lentil & Pea Varieties plus a 35 acre Pintium Bean Field
- Dr. Bert Vandenberg, Dr. Steve Shirtliffe, Dr. Tom Warkentin, Crop Development Centre, University of Saskatchewan
- People movers will be available for travel between sessions.
- Industry Presentations.

5:00 p.m. **Supper (Seager Wheeler Farm) $5.00 Per Adult**

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Pre-Registration is Compulsory and Must be Completed by NOON, August 1st, 2001
To Pre-Register Please Call the Saskatoon Rural Service Centre at 933-5090
Registration will be limited to 300 people. Avoid disappointment and call early.

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MAJOR SPONSORS:

Saskatchewan Pulse Growers
Spruce Grove Seeds
Agri-Food Innovation Fund
Aventis
Saskatchewan Agriculture and Food
Crop Development Centre, University of Sask.
Gustafson
Philom Bios.

Please Call David Hryhor or Bob Rugg, Extension Agrologists @ 933-5090
Or Larry Janzen (Spruce Grove Seeds) @ 232-5588 for Additional Information